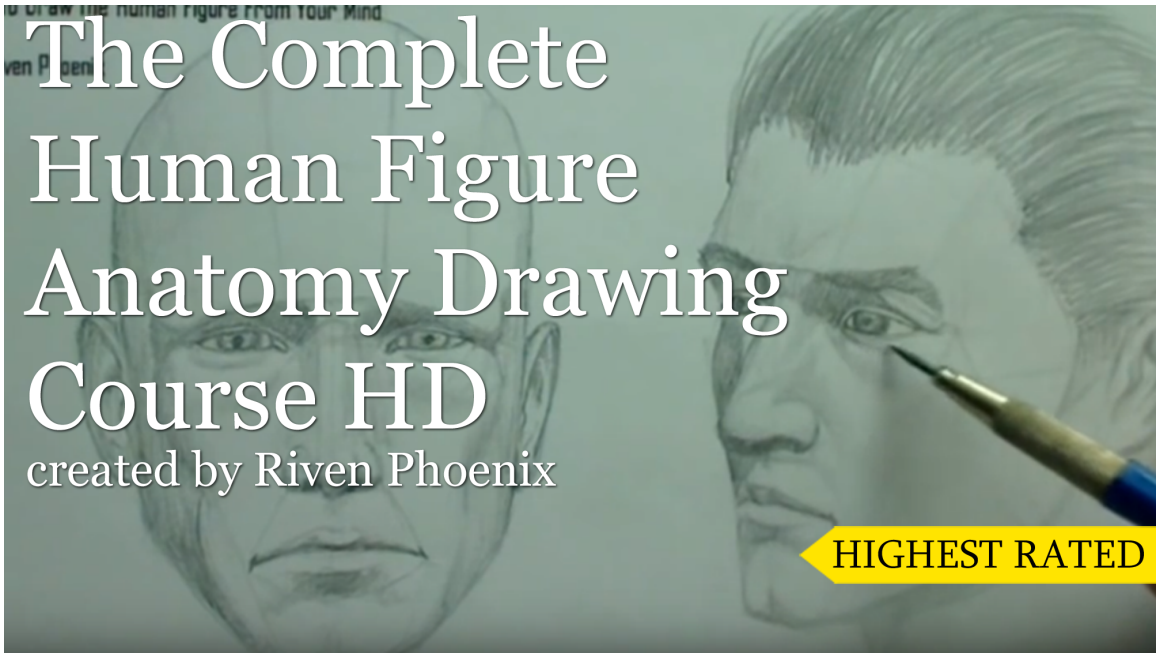

The Structure of Man

Learn to Draw the Human Figure From Your Mind with Riven Phoenix

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Figure Drawing Lesson 045 - Side Formulas of the invention of Femur

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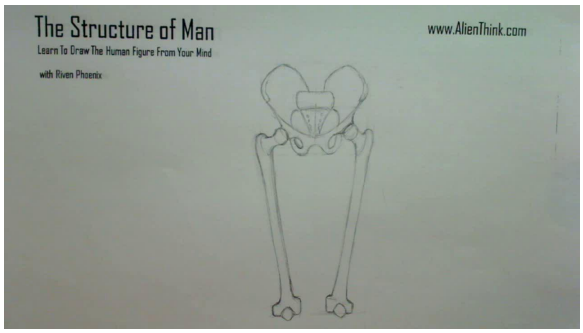
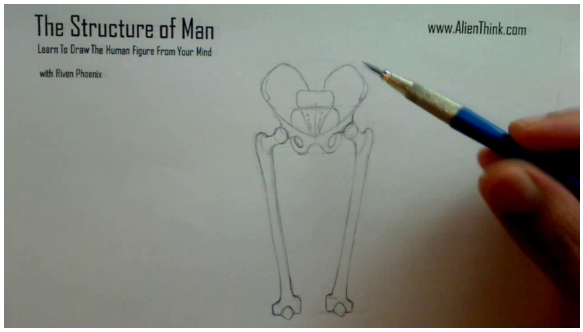
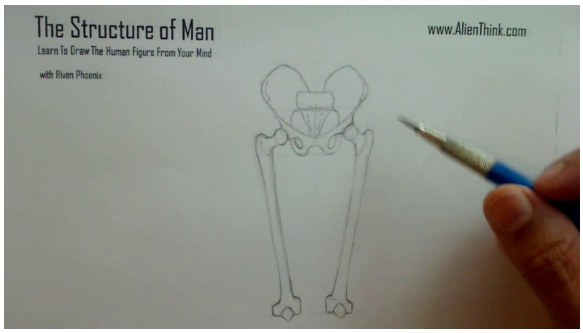
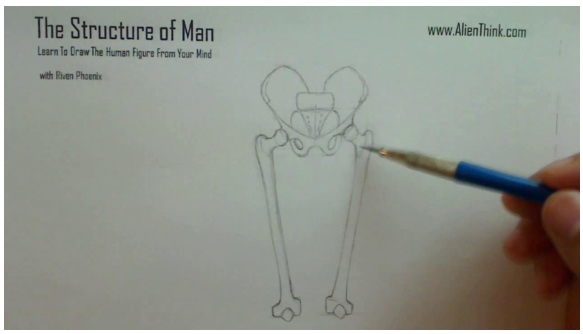
1		Hey guys, my name is Riven Phoenix and welcome to the structure of Man, the Learn to Draw,
2		the human figure from your online training course.
3		So in the previous lesson we had looked at the basic conceptual idea that all we really
4		needed to understand about the femur for the front view.

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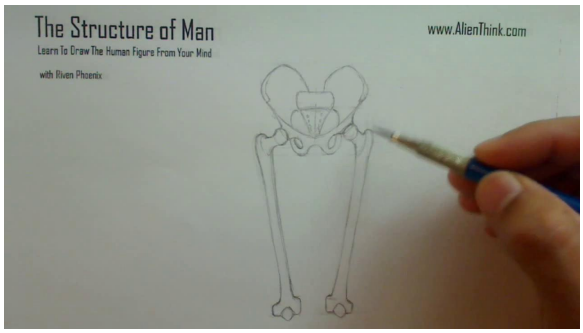
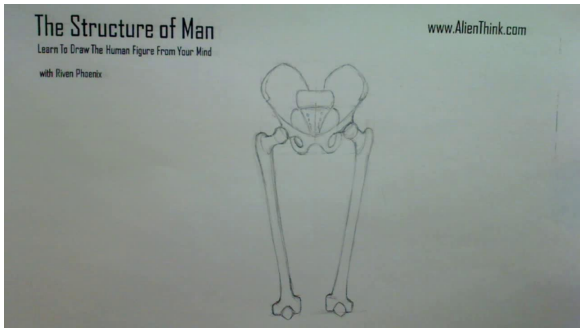
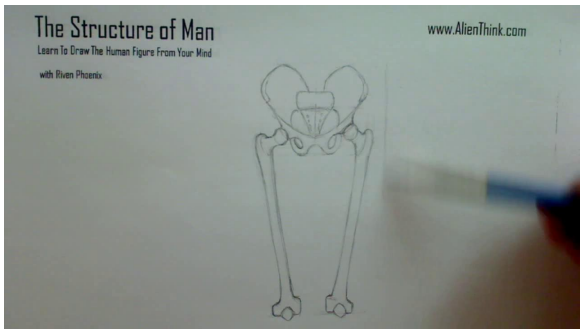
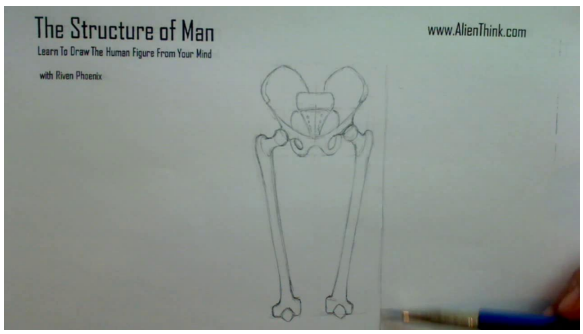
5		So now we're going to look at understanding this from the side view.
6		So from the side view here, I'm just going to actually start to put it over here.
7		So here I'm just going to draw the line, basically just following the same concept that
8		we did before.

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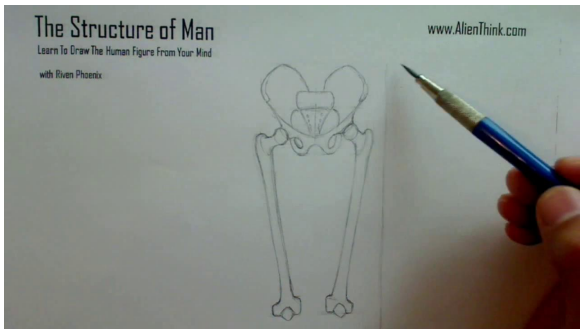
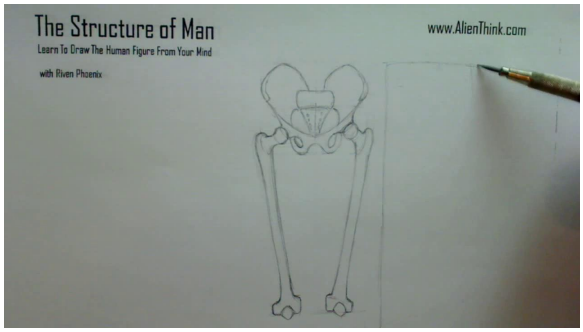
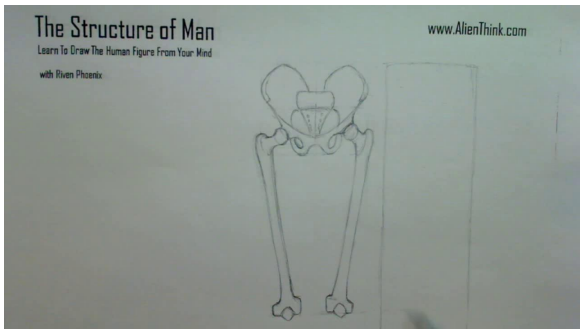
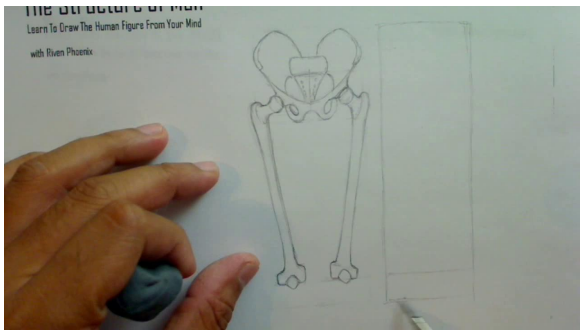
9		So I'm just going to draw out a box over here, right so roughly around here, it should
10		be a good size over here, okay, so once we get that box in, it's going to be the same
11		construction over here, we're going to move this line up, right, so here is the line
12		for the bottom where we're saying that the knees should be about, right, this is the

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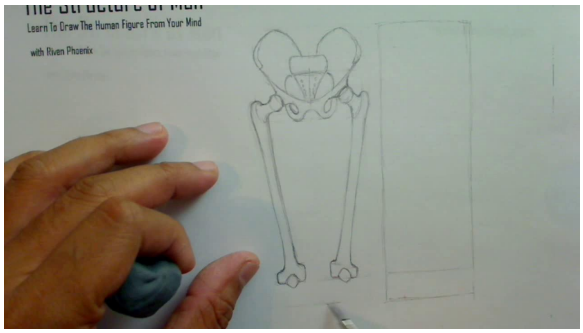
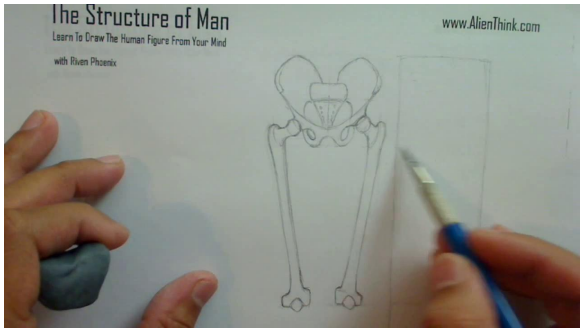
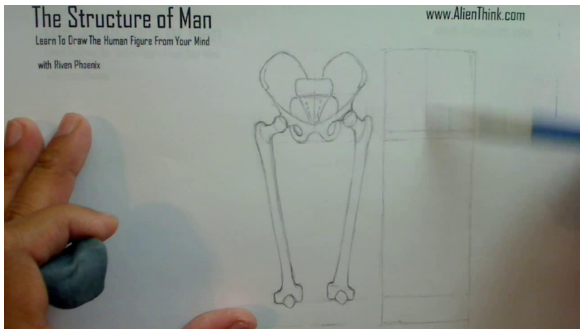
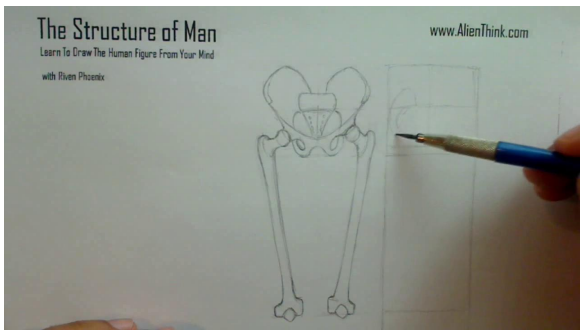
13		line that we have put previously, we're putting it over here, okay, and over here we just
14		know that obviously that's where the pelvis is going to be, right, so we already know how
15		to do the pelvis just like this, right, we know how the the sacrum is just going to come
16		like this, and the ear I'm just going to be sketchy about this like this, right, do

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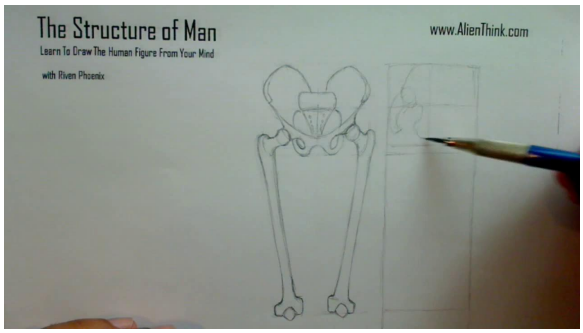
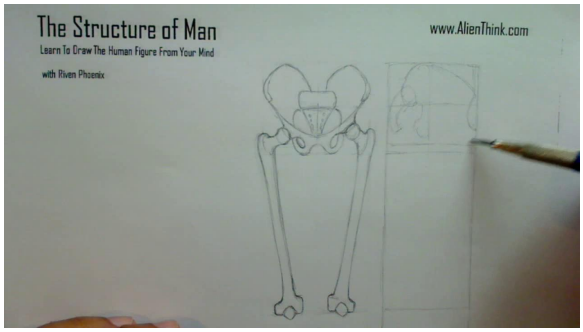
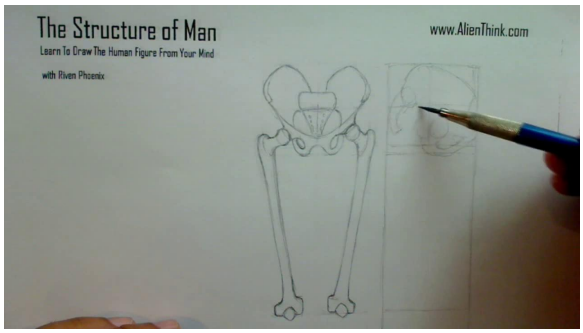
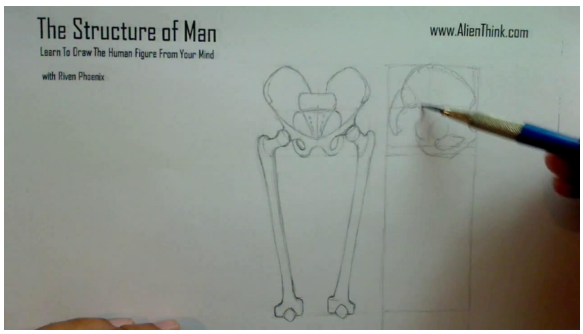
17		it kind of in this much more faster sketchier style, this just want to show you all these
18		different ways of sketching out the ideas here, and this is where the socket is going to
19		be basically, right, and this here, it's just going to be just like this, right, this is going
20		to be the sacrum over here and like this, right, so once we get that we can now clean this up

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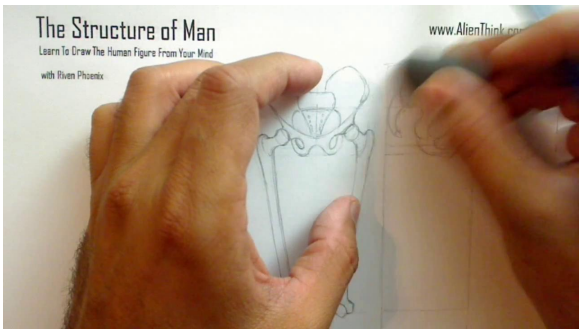
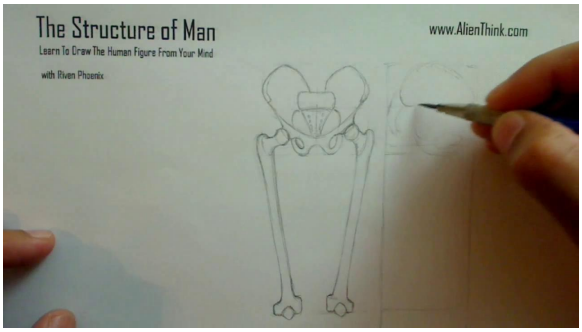
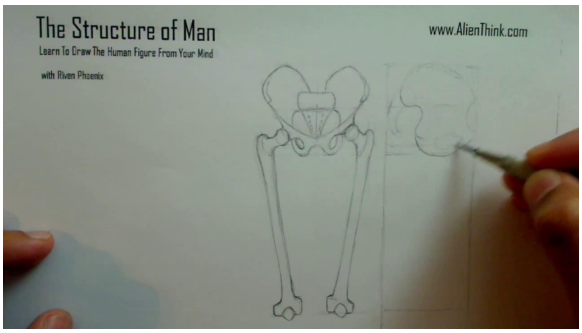
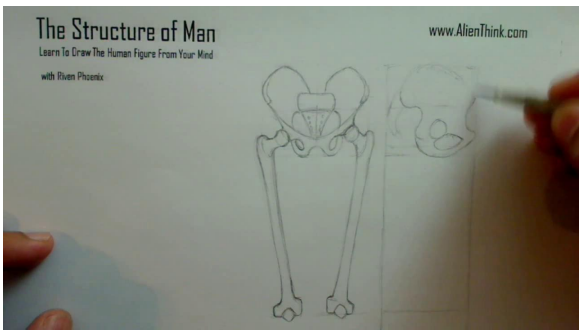
21		very quickly, right, so you can see how the speed in drawing increases when you when we follow a
22		very strict drawing process, right, we can start to imagine things in their forms and very fluid
23		forms, right, this is where the socket is going to be over here, it's like this, and it's going to
24		go here, this is just going to be like this, okay, and this is where the sacrum is going to be

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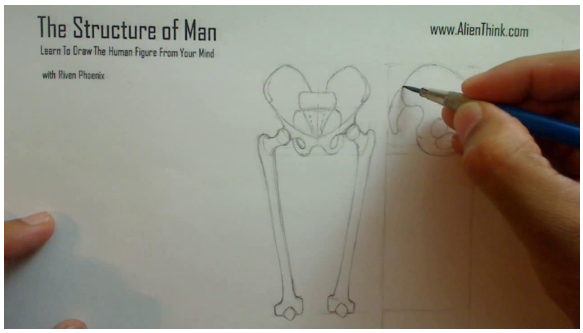
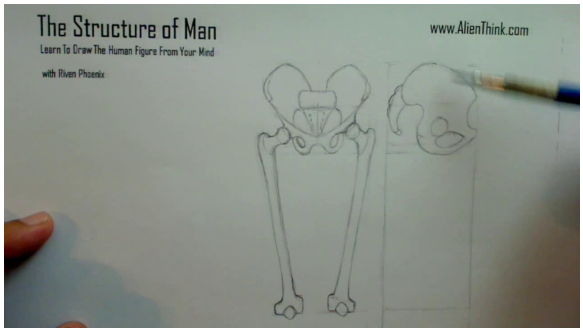
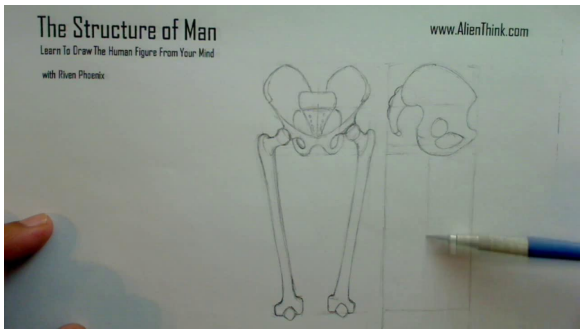
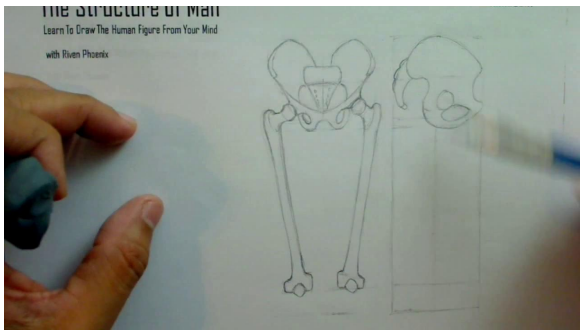
25		basically going to get one, two, three bumps over here, right, okay, so now to understand this,
26		here I'm just going to put that center line that I had all the way down over here because this
27		is going to be an important role in just understanding how what's going on with the feeling, okay,
28		so what is really all there is to understand about this is that this is where the

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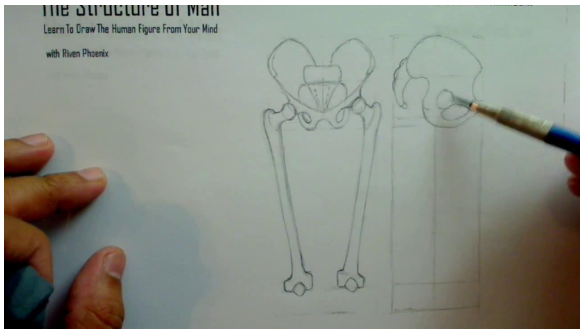
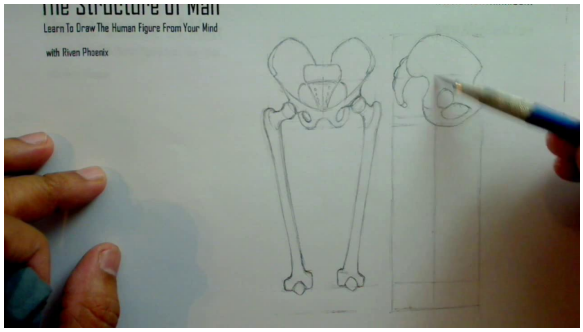
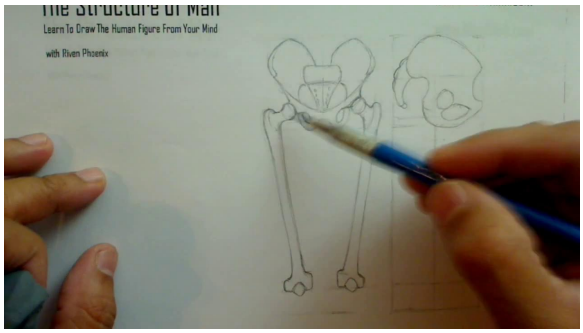
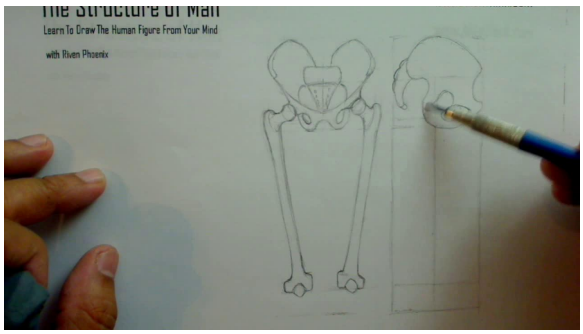
29		toolkit is where we had talked about that when we draw the toolkit, when we draw that circle
30		right to the right of this, just make a line here, right, so what this means is in the femur
31		where this is, this is actually going a little bit towards the back, so basically it's going to come
32		here and it's just going to come over here along this line right here, right, so where this line is,

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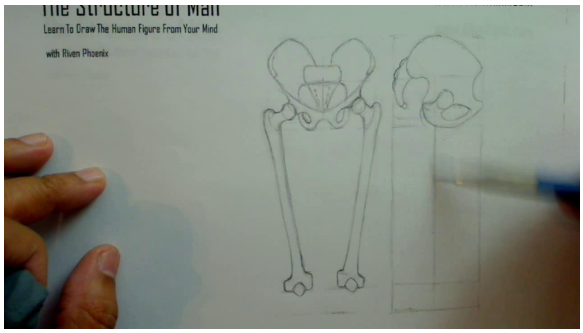
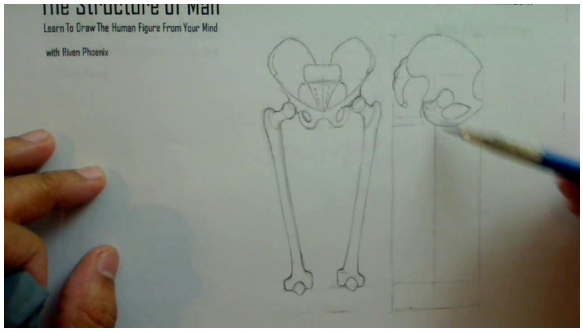
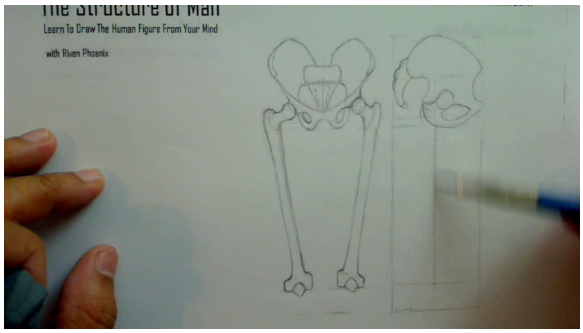
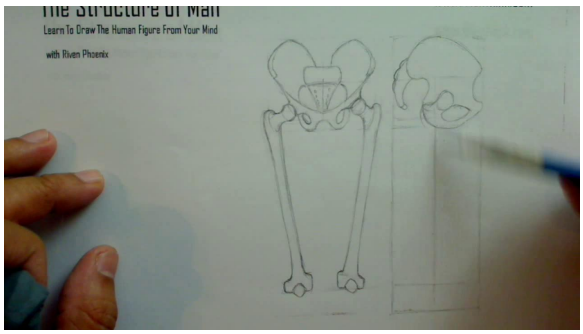
33		this is only when it's standing up but it really doesn't matter right in the end, only to understand
34		the femur in this way in this diagramic way that we're doing it, we're going to follow this
35		understanding here of the center line, okay, but really in reality if we draw out fluid figures,
36		the legs really can be anywhere, right, they can be relaxed, we just need to understand the

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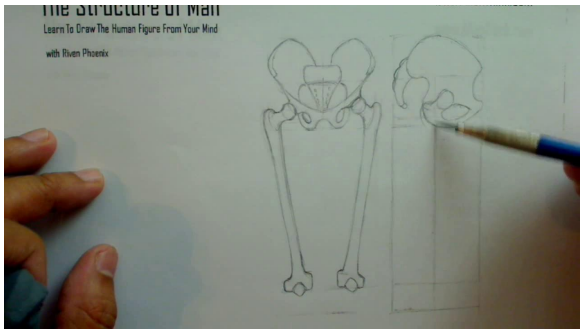
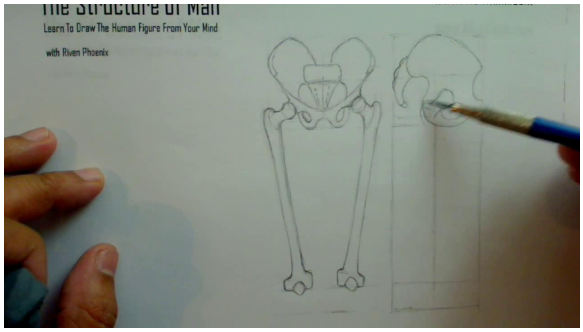
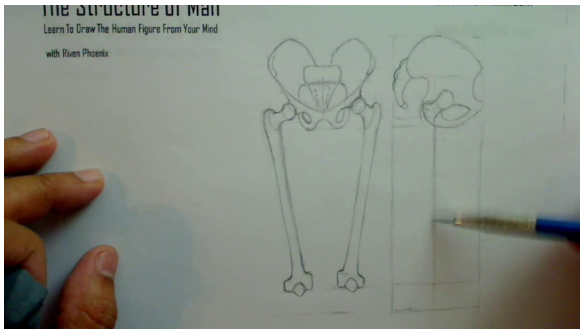
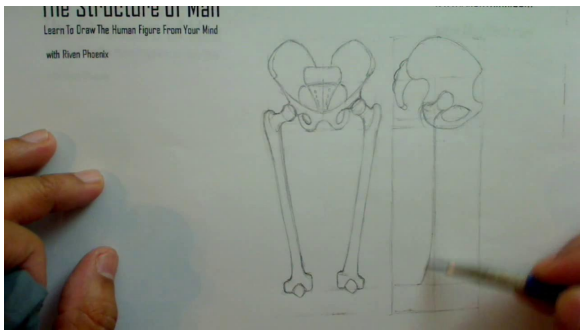
37		bone system, so basically what happens is that in our concept of this invention we're going to say
38		that when we draw the femur when it's standing straight where this line is, it's going to go here
39		and roughly where the center is, it's going to start to curve in just a little bit like this,
40		okay, so it's really this nice flow, so this guy here is really just going to come like this

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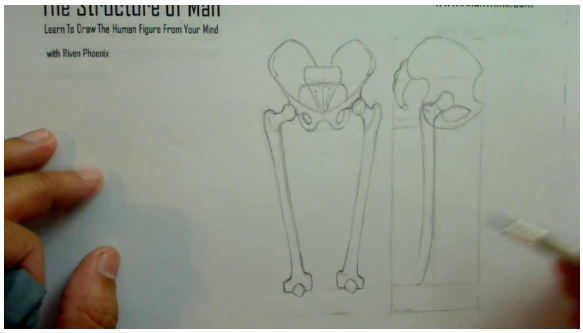
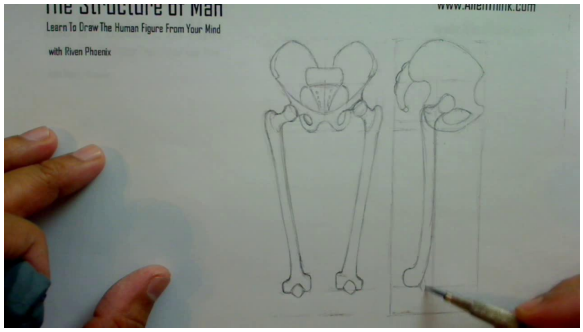
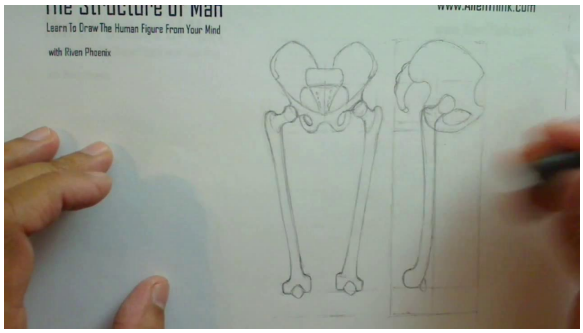
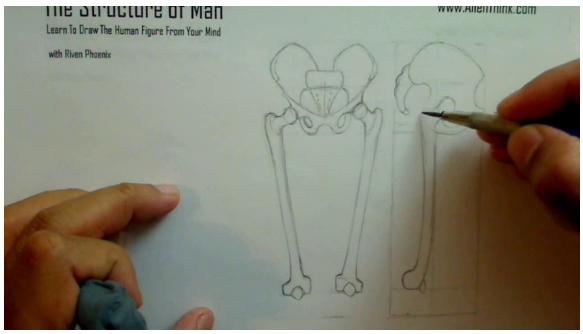
41		and then over here it's going to curl in and go like this, right, and this is where your idea for
42		the knee is going to be, right, it's really this bone structure just like this, right, so if I
43		now erase this part here just to show you a better understanding of this, if you look at this,
44		it's nothing more than this bone going in this direction like this, right, so it comes in

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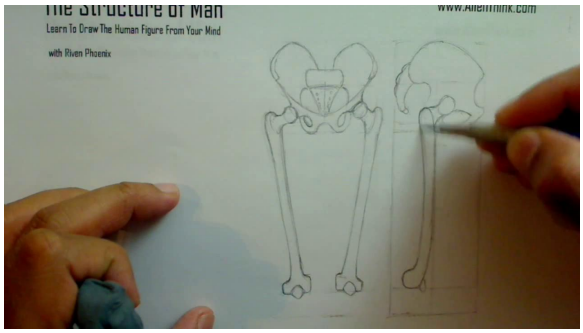
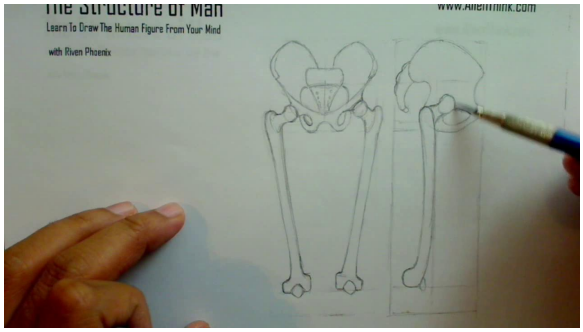
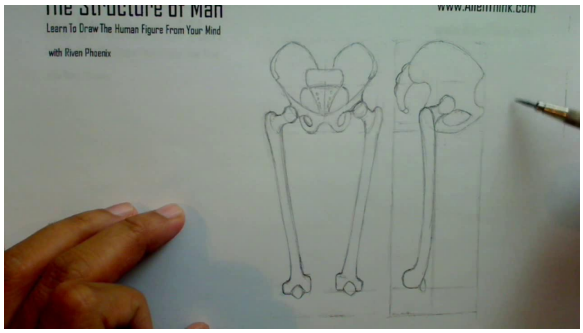
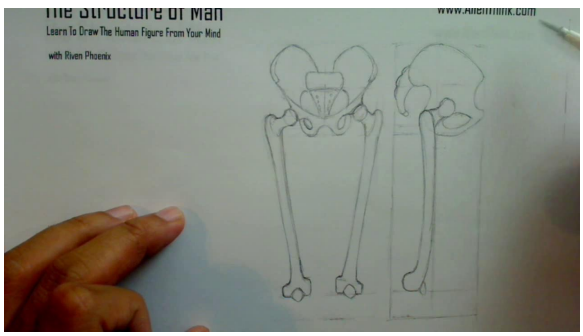
45		like so, right, so this is the reason behind in the toolkit when we have looked at this,
46		we had said well when you draw the circle just do a line is because when you're drawing at the
47		figures the line is going to be just the thickness of the pencil is going to like if I drew the toolkit,
48		right, let me draw the toolkit here for a second, see the toolkit is that if we draw the toolkit like

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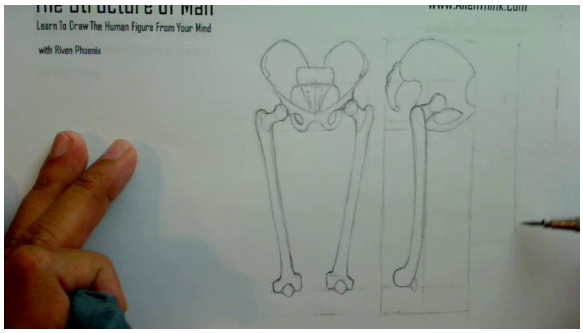
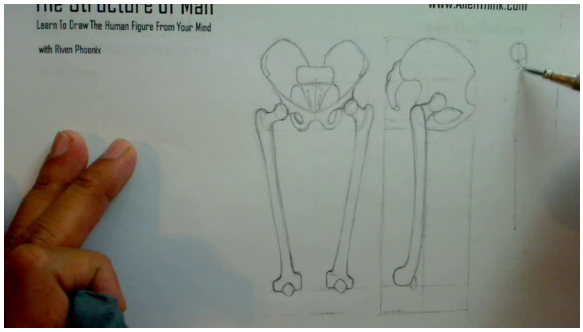
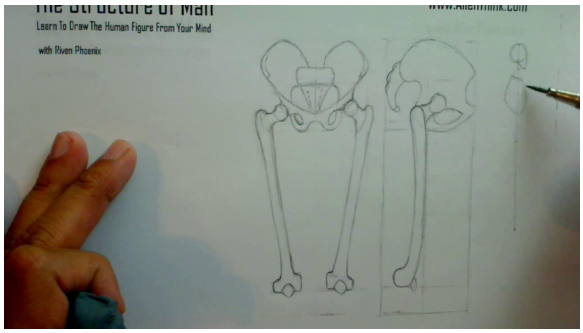
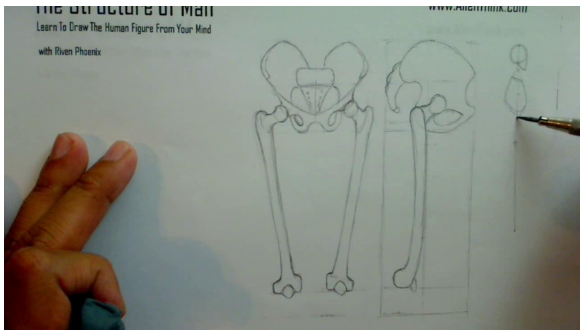
49		this, right, so basically here is the circle here that we do here for the job we get this and we
50		did this over here then we make the chest cavity come in this way, right, when we get the toolkit
51		like this, right, our idea was that where this crotch area, where this crotch area is, here's the
52		the area for the navel, right, our idea was that well I mean you just need to look at it this way,

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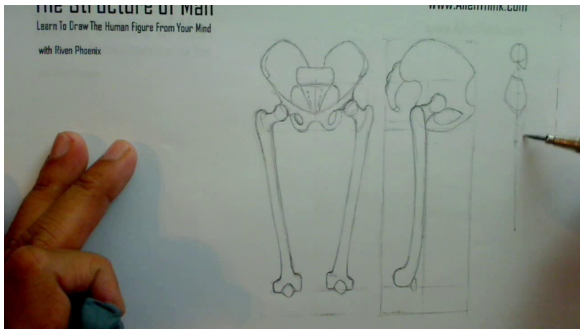
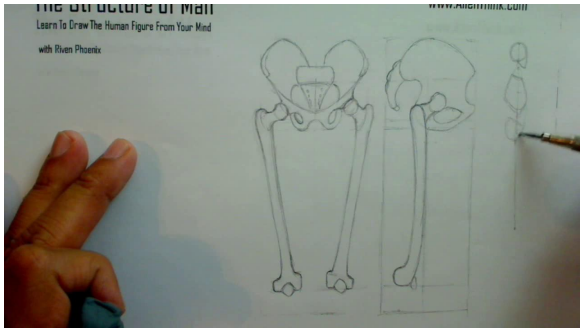
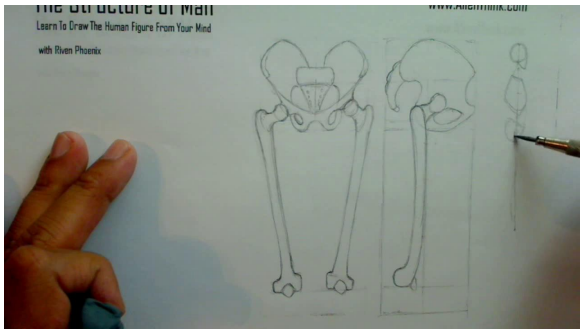
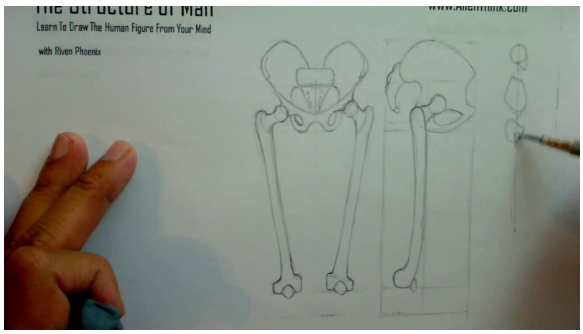
53		three-fourths down and come this way and just do this and then over here when you make the circle
54		is going to be here, right, and you're just going to go like this, right, so this line that I'm
55		making this, if you magnify this, this is basically the whole thickness of the pencil, it just takes
56		care of it, right, and you're going to just go like this and this is where the, so when you now look

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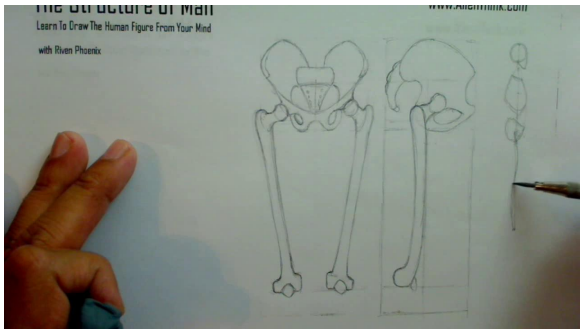
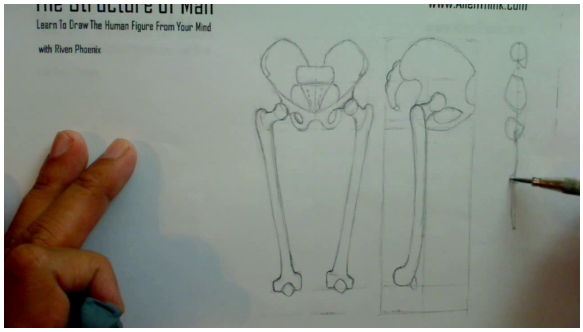
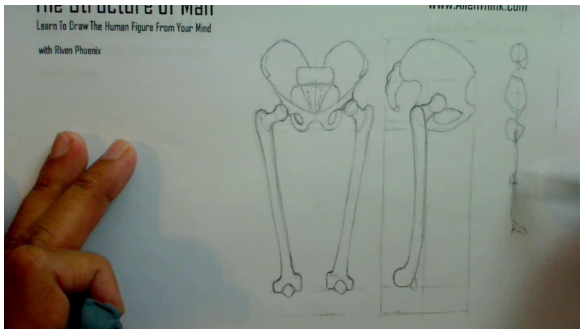
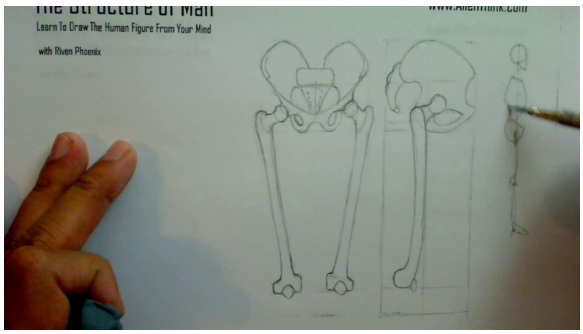
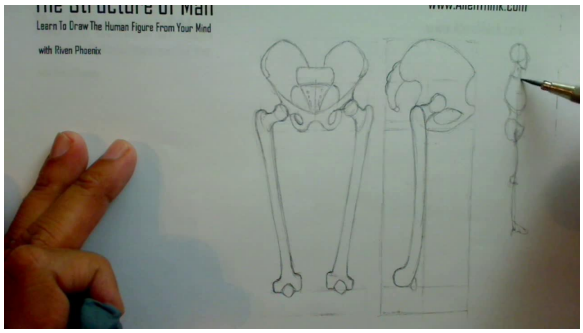
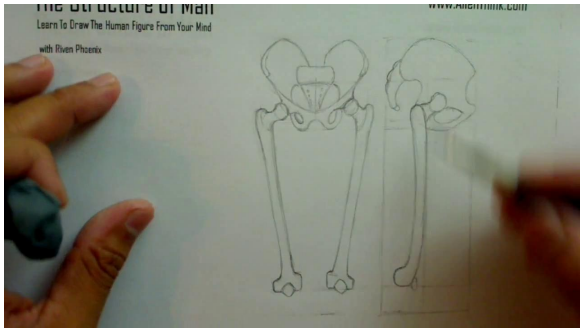
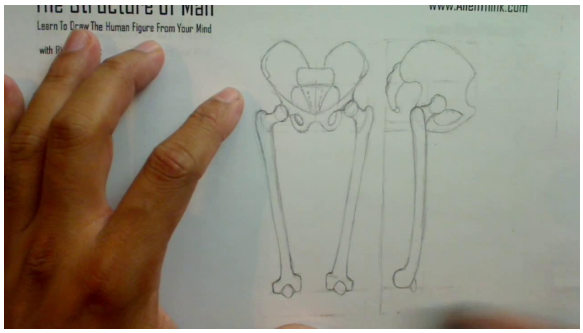
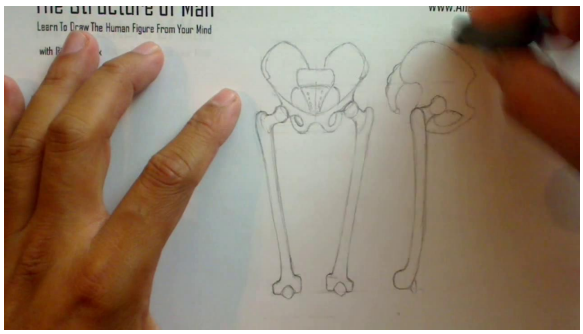
57		at the toolkit you'll know that okay I understand that the bone is obviously going like this
58		and over here, right, then you'll get the other bone system over here, so that's like a basic
59		conceptual idea of how the toolkit was working, right, just like we did from the back we understand
60		that it's just the same thing, right, there's really is no difference in how this toolkit was created

61		then it's based on a scale structure we get the same thing, okay, so I'm just going to erase that,
62		okay, so really that that's all there is to this, so I'm just going to erase this stuff here,
63		we don't need this anymore, so you can just imagine what's going to happen from the back view,
64		right, it's going to be exactly the same as the front, right, so now let's, in the next lesson,

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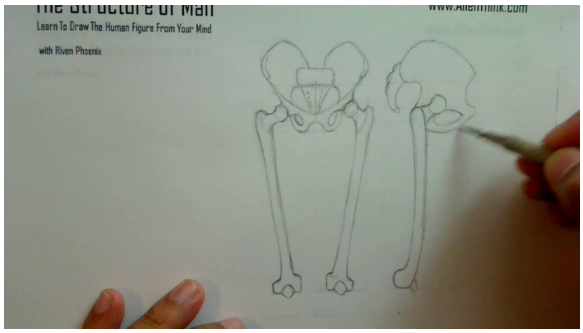
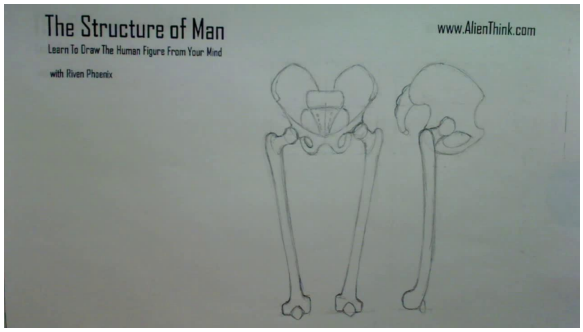
65		let's take a look at that idea of how to understand this from the back view,
66		so I'll see you in the next lesson, thanks.

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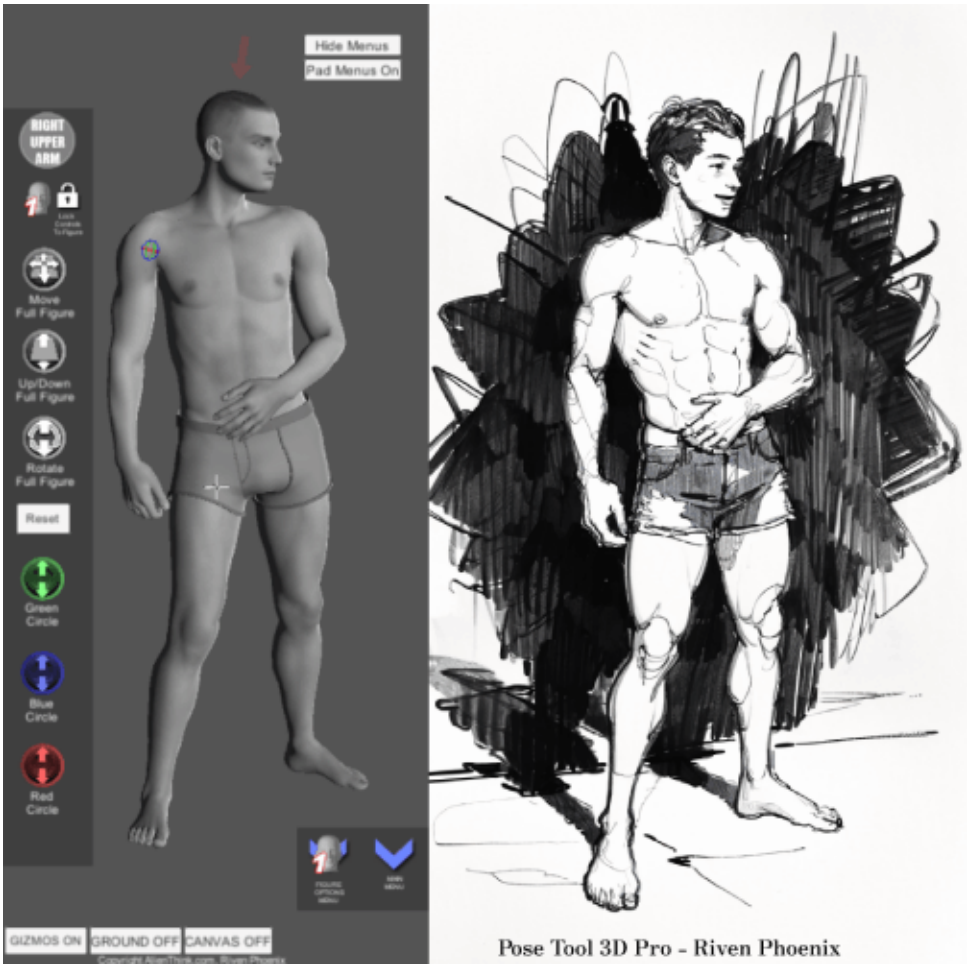

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